USPS Express Mail Post Office to Addressee Mailing Label Number ER352765532US

Approved for use through 07/31/2008, OMB 0651-0031
U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE Applicant Document No. 032-62 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Docket Number (Optional) Patent Number Application 08/506.032 37 CFR 1.501 Applicant PINFORMATION DISCLOSURE CITATION Donald K. Forest IN A PATENT Issue Date Art Unit (Sheet 2674 U.S. PATENT DOCUMENTS DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE IF APPROPRIATE See attached sheets FOREIGN PATENT DOCUMENTS DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS TRANSLATION YES NO B See attached sheets. OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) See attached sheets. R **EXAMINER** DATE CONSIDERED

This collection of information is required by 37 CFR 1.501. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

During Examination

AL O 1 MA SELECTION

5

10

20

25

30

In re Application of:

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

U.S. Patent Documents

Examiner's		Date	
Initials	Document No.	Filed	Name
An C	4,109,145	20 May 1974	Graf
	4,149,716	24 January 1977	Scudder
	4,393,271	27 August 1980	Fujinami et. al.
	4,531,119	30 November 1984	Nakayama et. al.
	4,555,193	31 October 1983	Stone
	4,586,035	29 February 1984	Baker et. al.
	4,591,841	1 November 1983	Gunderson et. al.
	4,595,990	31 March 1983	Garwin et. al.
	4,651,145	31 May 1984	Sutter
	4,720,189	7 January 1986	Heynen et. al.
BIL	4,788,649	22 January 1985	Shea et. al.

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

15

20

25

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

U.S. Patent Documents

Ø,-	4,829,576	21 October 1986	Porter
	4,931,783	26 July 1988	Atkinson
	5,020,107	4 December 1989	Rohani et. al.
	5,027,406	6 December 1988	Roberts et. al.
	5,177,328	27 June 1991	Ito et. al.
	5,223,828	19 August 1991	McKiel, Jr.
	5,285,265	21 October 1991	Choi
	5,429,513	10 February 1994	Diaz-Plaza
BIL	5,844,544	13 June 1995	Kahn et. al.

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

. 10

15

20

25

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

Foreign Patent Documents

Examiner's			·	Submitted
Initials	Document No.	Date	Country	by
k.c	0 324 306 A2	19 July 1989	European Patent Application	McDonald et. al.
<u> </u>	DE U 93 00 231	19 August 1993	German Patent	Hessabi
	GB 2,116,341A	21 September 1983	U.K. Patent Application	Bock
	GB 2,173,023 A	1 October 1986	U.K. Patent Application	Larsen
			U.K. Patent Office Combined Search and	:
			Examination Report in	
	GB 9,906,822.3	28 April 1999	indicated U.K. Application	Forest
	JP 06-149,534	27 May 1994	Japanese Patent Abstract	Akio
	JP 57-059,241	9 April 1982	Japanese Patent Abstract	Sasaki
	JP 57-073,453	8 May 1982	Japanese Patent Abstract	Sekoe
12,C	PCT/AU85/		PCT International	
	00324	3 July 1986	Application	Downing

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

15

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42

Foreign Patent Documents

Examiner's				Submitted
Initials	Document No.	Date	Country	by
		*	PCT International Search	
RIC	PCT/US95/		Report in indicated	
	03591	28 March 1996	International Application	Forest
7.			PCT International	
Pil	WO 94/03887	17 February 1994	Application	McClish

Donald K. Forest

Serial No.:

08/506,032

Filed:

24 July 1995

Title:

5

10

DATA ENTRY METHOD

AND APPARATUS

Group Art Unit:

2674

Examiner:

Regina Liang

Applicant Document No.

032-62

Form PTO/SB/42 Other Documents

Examiner's	
Initials	Citation
	Barnett, C.J.; Dynche, M.P.; Golding, V.G.; Ng, Y.H.; Taylor, G.D.; "Speech Output
B.C	Display Terminal," IBM Technical Disclosure Bulletin, vol. 26, no. 10A, March 1984,
1	pages 4950-4951.
	Becker, Joseph D., "User Friendly Design for Japanese Typing, " Xerox Office Systems
	Division Publication No. T8301, Xerox Corp., Palo Alto, CA, August 1983. See pages
	14 & 15.
	Bryan, R.E.; Chang, F.C.; Hempel, B.C.; Iida, Y.; "Pre-Selection Highlighting," IBM
	Technical Disclosure Bulletin, vol. 32, no. 8b, January 1990, New York, NY, XP
	000082441, pages 231 & 232.
	Callahan, Jack; Hopkins, Don; Weiser, Mark; Schneiderman, Ben, "An Empirical
	Comparison of Pie vs. Linear Menus," Computer Science Technical Report Series
	CS-TR-1919, College Park, MD: University of Maryland, September 1987.
	Callahan, Jack; Hopkins, Don; Weiser, Mark; Shneiderman, Ben; "An Empirical
	Comparison of Pie vs. Linear Menus," Human Factors in Computing Systems: CHI '88,
	Conference Proceedings, pages 95-100.
	Darci Too Product Description, WesTest Engineering Corp., Bountiful, UT: WesTest
	Engineering Corp., 1992.
	"Discrete and continuous control using stable speech sounds", IBM Technical Disclosure
	Bulletin, vol. 33, no. 10a, March 1991, New York, NY, XP 000110092, page 378.
	DragonDictate, The Premier PC Dictation System, Dragon Systems, Inc., Newton, MA,
	1994. See page 4.
2	Drawing Gallery, In The Graphics Gallery Release 3.0 User Manual, Hewlett-Packard
BIL	Co., Boise, ID: Hewlett-Packard Co., 1988.

20

15

l n	Golding, V.G.; Heneghan, M.J.; "Audio Response Terminal," IBM Technical Disclosure
9/1	Bulletin, vol. 26, no. 10B, March 1984, pages 5633-5636.
	Goosens, Carol; Crain, Sharon Sapp, "Overview of Currently Used Eye-Gaze
	Communication Approaches," In Augmentative Communication Intervention Resources,
	1986.
	Jacob, Robert J. K., "What you look at is what you get," Computer, vol. 26, no. 7, July
	1993, Los Alamitos, California. Pages 65 & 66.
	Johnson, Frank, "Communications system for speechless quadriplegics", Design Product
	News, January 1994. See the entire document which consists of one page.
	Lazzaro, Joseph J., "Computers for the Disabled," Byte, June 1993, pages 59-64.
	WiViK2, Visual Keyboard for Windows 3.1 User's Guide, Prentke Romich Co.,
	Wooster, OH: Prentke Romich Co., 1992.
	Yamada, Mitsuho; Fukada, Tadahiko, "Eye word processor (EWP) and peripheral
	controller for the ALS patient", I.E.E.E. Proceedings A Physical Science, Measurement
10,	& Instrumentation, Management & Education, April 1987, Vol 134, No. 4, Part A,
1	Stevenage.